005-20-000078

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:Construction of RCC Drain & RCC Culverts at 1st Main Road, Cross roads & surrounding area, Muneshwara Nagara in Ward No.05

BYATARAYANAPURA DIVISION

EMB

1st & Final Bill

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BRUHATH BANGALORE MAHANAGARAPALIKE

YELAHANKA ZONE

1ST AND FINAL BILL

me of Work :- Construction of RCC Drain & RCC Culverts at 1st Main Road, Cross roads & surrounding area, Muneshwara Nagara Vard No.05

rk Order No: BBMP / EE/ BTP/ W.O /241/2019-20 dt: 21-03-2020

B NUMBER: 005-20-000078

imate Cost: 66.00 lakhs.

No: AS/EE(BTP)/113/2019-20 dt:16-03-20

No :TS/ SE(YNK) /45/2019-20 dt :16-03-20

me of Contractor : M/S KRIDL

m o	Description of Item	No	L	B	D1	D2	D(avg)	Unit	Qty	Rate in Rs	Amount
	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification										
	Qty Taken from Pre measurement page Item No. 1 page No. 1							Cum	789.29	220.40	173959.52
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.										
	Qty Taken from Pre measurement page Item No. 2 Page No. 2							Cum	118.58	5509.33	653322.15
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with										
	For Bottom raft										
	For RCC drain										
	Muneshwara Nagara										
	3rd cross from 1st main										
	RHS	1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	16.20	0.90	0.15	0.15	0.15		2.19		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	12.90	0.90	0.15	0.15	0.15		1.74		
									28.92		
	LHS										
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	15.80	0.95	0.15	0.15	0.15		2.25		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	7.20	0.90	0.15	0.15	0.15		0.97		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	1.60	0.90	0.15	0.15	0.15		0.22		
	1st main road from 1st-4th										
	RHS	1	27.00	0.90	0.15	0.15	0.15		3.65		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	21.00	0.90	0.15	0.15	0.15		2.84		
									38.51		
	Cross road from 1st-4th cross										
	RHS	1	28.00	0.90	0.15	0.15	0.15		3.78		
		1	29.00	0.90	0.15	0.15	0.15		3.92		
		1	18.30	0.90	0.15	0.15	0.15		2.47		
									24.39		
	LHS										
		1	28.00	0.90	0.15	0.15	0.15		3.78		
		1	29.00	0.90	0.15	0.15	0.15		3.92		
		1	18.30	0.90	0.15	0.15	0.15		2.47		
	Near 3rd cross road										
		1	30.00	0.90	0.15	0.15	0.15		4.05		
	For RCC Culvert										
	Culvert at 1st cross	1	6.70	1.50	0.20	0.20	0.20		2.01		
	Culvert at 2nd cross	1	7.70	1.50	0.20	0.20	0.20		2.31		
	Culvert at 3rd cross	1	7.00	1.50	0.20	0.20	0.20		2.10		
									6.42		
									98.24		

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ulvert at 4th cross	1	6.00	1.50	0.20	0.20	0.20		1.80		
ulvert at 3rd Main road	1	6.00	1.50	0.20	0.20	0.20		1.80		
or Wall										
or RCC drain										
rd cross from 1st main oad										
:HS	2	30.00	0.15	0.65	0.67	0.66		5.94		
	2	30.00	0.15	0.67	0.68	0.68		6.08		
	2	30.00	0.15	0.68	0.69	0.69		6.17		
	2	30.00	0.15	0.69	0.70	0.70		6.26		
	2	16.20	0.15	0.70	0.69	0.70		3.38		
	2	30.00	0.15	0.69	0.70	0.70		6.26		
	2	30.00	0.15	0.70	0.69	0.70		6.26		
	2	12.90	0.15	0.69	0.70	0.70	43.04	2.69		
LHS										
	2	30.00	0.15	0.62	0.64	0.63		5.67		
	2	30.00	0.15	0.64	0.67	0.66		5.90		
	2	30.00	0.15	0.67	0.66	0.67		5.99		
	2	30.00	0.15	0.66	0.65	0.66		5.90		
	2	15.80	0.15	0.65	0.68	0.67		3.15		
	2	30.00	0.15	0.68	0.69	0.69		6.17		
	2	7.20	0.15	0.69	0.70	0.70		1.50		
	2	30.00	0.15	0.70	0.70	0.70		6.30		
	2	1.60	0.15	0.70	0.72	0.71	40.92	0.34		
1st main road from 1st-4th										
RHS	2	27.00	0.15	0.60	0.90	0.75		6.08		
	2	30.00	0.15	0.80	0.76	0.78		7.02		
	2	21.00	0.15	0.67	0.70	0.69		4.32		
Cross road from 1st-4th cross										
RHS	2	28.00	0.15	0.65	0.68	0.67		5.59		
	2	29.00	0.15	0.68	0.67	0.68		5.87		
	2	18.30	0.15	0.67	0.70	0.69		3.76		
LHS										
	2	28.00	0.15	0.65	0.67	0.66		5.54		
	2	29.00	0.15	0.67	0.69	0.68		5.92		
	2	18.30	0.15	0.69	0.70	0.70		3.82		
Near 3rd cross road							47.92			
	2	30.00	0.15	0.65	0.65	0.65		5.85		
For RCC Culvert										
Culvert at 1st cross	2	6.70	0.45	0.60	0.60	0.60		3.62		
Culvert at 2nd cross	2	7.70	0.45	0.60	0.60	0.60		4.16		
Culvert at 3rd cross	2	7.00	0.45	0.60	0.60	0.60		3.78		
Culvert at 4th cross	2	6.00	0.45	0.60	0.60	0.60		3.24		
Culvert at 3rd Main road	2	6.00	0.45	0.60	0.60	0.60		3.24		
Ramp For RCC Culvert							23.89			
Culvert at 1st cross	2	6.70	0.75	0.15	0.15	0.15		1.51		
Culvert at 2nd cross	2	7.70	0.75	0.15	0.15	0.15		1.73		
Culvert at 3rd cross	2	7.00	0.75	0.15	0.15	0.15		1.58		
Culvert at 4th cross	2	6.00	0.75	0.20	0.20	0.20		1.80		
Culvert at 3rd Main road	2	6.00	0.75	0.15	0.15	0.15	7.97	1.35		
						Present Qty	167.84	265.47	7189.42	1908586.71
4	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications									
	Qty Taken from Pre measurement page Item No. 3 Page No. 3 to 6						Tonne	17.77	72326.98	1285250.43
5	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate)									

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or RCC drain										
Guneshwara Nagara										
rd cross from 1st main										
RHS	1	30.00	0.90					27.00		
	1	30.00	0.90					27.00		
	1	29.00	0.90					26.10		
	1	30.00	0.90					27.00		
	1	16.20	0.90					14.58		
	1	30.00	0.90					27.00		
	1	30.00	0.90					27.00		
	1	12.90	0.90					11.61		
LHS	1	30.00	0.90					27.00		
	1	30.00	0.90					27.00		
	1	30.00	0.90					27.00		
	1	30.00	0.90					27.00		
	1	15.80	0.90					14.22		
	1	30.00	0.90					27.00		
	1	7.20	0.90					6.48		
	1	30.00	0.90					27.00		
	1	1.60	0.90					1.44		
1st main road from 1st-4th										
RHS	1	27.00	0.90					24.30		
	1	30.00	0.90					27.00		
	1	21.00	0.90					18.90		
Cross road from 1st-										
RHS	1	28.00	0.90					25.20		
	1	29.00	0.90					26.10		
	1	18.30	0.90					16.47		
LHS	1	28.00	0.90					25.20		
	1	29.00	0.90					26.10		
	1	18.30	0.90					16.47		
Near 3rd cross road										
	1	30.00	0.90					27.00		
						Present Qty=	Sqm	604.17	2337.00	1411945.29

Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. (Data Rate)

For RCC Culvert										
Culvert at 1st cross	1	6.70	1.50					10.05		
Culvert at 2nd cross	1	7.70	1.50					11.55		
Culvert at 3rd cross	1	7.00	1.50					10.50		
Culvert at 4th cross	1	6.00	1.50					9.00		
Culvert at 3rd Main road	1	6.00	1.50					9.00		
						Present Qty		50.10		
						Limited to Qty=	Sqm	46.20	5418.00	250311.60
									Total	5683375.68
									GST Charges 12%	682005.08
									KRIDL Charges 4%	227335.03
									Grand Total	6592715.79

Assistant Engineer
Ward No.05

Assistant Executive Engineer
Bytarayanapura Sub-Division

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Name of Work :- Construction of RCC Drain & RCC Culverts at 1st Main Road, Cross roads & surrounding area, Muneshwara Nagara in Ward No.05

Pre-Measurements

Pre measurement recorded on:

Sl no	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification						
	For RCC drain						
	Muneshwara Nagara						
	3rd cross from 1st main road						
	RHS	1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	16.20	1.10	1.00	17.82	
		1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	12.90	1.10	1.00	14.19	
	LHS					230.0	
		1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	15.80	1.10	1.00	17.38	
		1	30.00	1.10	1.00	33.00	
		1	7.20	1.10	1.00	7.92	
		1	30.00	1.10	1.00	33.00	
		1	1.60	1.10	1.00	1.76	
	1st main road from 1st-4th cross					225	
	RHS	1	27.00	1.10	1.00	29.70	
		1	30.00	1.10	1.00	33.00	
		1	21.00	1.10	1.00	23.10	
	Cross road from 1st-4th cross						
	RHS	1	28.00	1.10	1.00	30.80	
		1	29.00	1.10	1.00	31.90	
		1	18.30	1.10	1.00	20.13	
	LHS						
		1	28.00	1.10	1.00	30.80	
		1	29.00	1.10	1.00	31.90	
		1	18.30	1.10	1.00	20.13	
	Near 3rd cross road						
		1	30.00	1.00	0.90	27.00	278.46
	For RCC Culvert						
	Culvert at 1st cross	1	6.70	1.70	1.00	11.39	
	Culvert at 2nd cross	1	7.70	1.70	1.00	13.09	
	Culvert at 3rd cross	1	7.00	1.70	1.00	11.90	
	Culvert at 4th cross	1	6.00	1.70	1.00	10.20	
	Culvert at 3rd Main road	1	6.00	1.70	0.90	9.18	55.76
					Present Qty	789.29	Cum

Assistant Engineer

Asst. Executive Engineer

11/5/2020

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